

Technical Compliance Exhibit

This application complies with all engineering standards and assignment requirements specified in the applicable FCC rules and regulations. A change in the antenna COR AGL and AMSL height and HAAT is specified in this application as is indicated below:

	Licensed	Construction Permit	Minor Modification of Construction Permit
Channel / Class	215B1	215B1	215B1
ASRN	1057197	1057081	1057081
Geographical Coordinates	39 19 17.0 86 31 08.4	39 18 36.8 86 29 24.0	39 18 36.8 86 29 24.0
Site AMSL	229.5 m	264.0 m	264.0 m
Tower AGL	60.6 m	109.4 m	109.4 m
COR AGL	53.0 m	95.6 m	101.2 m
COR AMSL	283.0 m	359.6 m	365.2 m
HAAT	68.0 m	141.8 m	147.4 m
ERP (kW)	0.920 (H) 12.5 (V) DA	3.2 (H&V, DA)	3.2 (H&V, DA)

GLOBE terrain data

Tabulation of HAAT, ERP (incl dBk- Field) and distance to 60 dBu contour

CH 215 39 18 36.8 / 86 29 24.0 3.2 kW ERP (H&V, DA) 365.2 m COR AMSL 147.4 m HAAT

Azi.	AV EL	HAAT	ERP kW	dBk	Field	60-F5
000	205.7	159.5	0.2545	-5.94	0.282	16.58
010	198.7	166.5	0.1606	-7.94	0.224	14.99
020	190.5	174.7	0.1014	-9.94	0.178	13.69
030	205.8	159.4	0.1606	-7.94	0.224	14.63
040	224.8	140.4	0.2545	-5.94	0.282	15.36
045	225.0	140.2	0.4170	-3.80	0.361	17.62
050	226.5	138.7	0.6195	-2.08	0.440	19.41
060	229.3	135.9	1.2741	1.05	0.631	22.84
070	222.0	143.2	2.2045	3.43	0.830	26.41
080	243.0	122.2	3.2000	5.05	1.000	26.85
090	257.3	107.9	3.2000	5.05	1.000	25.47
100	242.6	122.6	3.2000	5.05	1.000	26.89
110	226.4	138.8	3.2000	5.05	1.000	28.31
120	209.5	155.7	3.2000	5.05	1.000	29.83
130	220.2	145.0	3.2000	5.05	1.000	28.86
135	227.9	137.3	3.2000	5.05	1.000	28.17
140	229.6	135.6	3.2000	5.05	1.000	28.02
150	228.0	137.2	3.2000	5.05	1.000	28.17
160	221.7	143.5	3.2000	5.05	1.000	28.72
170	227.2	138.0	3.2000	5.05	1.000	28.24
180	209.3	155.9	3.2000	5.05	1.000	29.85
190	214.1	151.1	3.2000	5.05	1.000	29.41
200	215.3	149.9	3.2000	5.05	1.000	29.30
210	225.9	139.3	3.2000	5.05	1.000	28.35
220	225.5	139.7	3.2000	5.05	1.000	28.39
225	219.9	145.3	3.2000	5.05	1.000	28.89
230	217.1	148.1	3.2000	5.05	1.000	29.14
240	214.0	151.2	3.2000	5.05	1.000	29.42
250	210.6	154.6	3.2000	5.05	1.000	29.72
260	207.4	157.8	3.2000	5.05	1.000	30.01
270	200.4	164.8	3.2000	5.05	1.000	30.66
280	208.8	156.4	3.2000	5.05	1.000	29.89
290	205.7	159.5	3.2000	5.05	1.000	30.17
300	207.4	157.8	3.2000	5.05	1.000	30.02
310	201.4	163.8	2.5177	4.01	0.887	28.91
315	196.9	168.3	2.0276	3.07	0.796	27.87
320	196.8	168.4	1.5950	2.03	0.706	26.42
330	190.5	174.7	1.0071	0.03	0.561	24.24
340	197.2	168.0	0.6365	-1.96	0.446	21.47
350	204.6	160.6	0.4033	-3.94	0.355	18.80

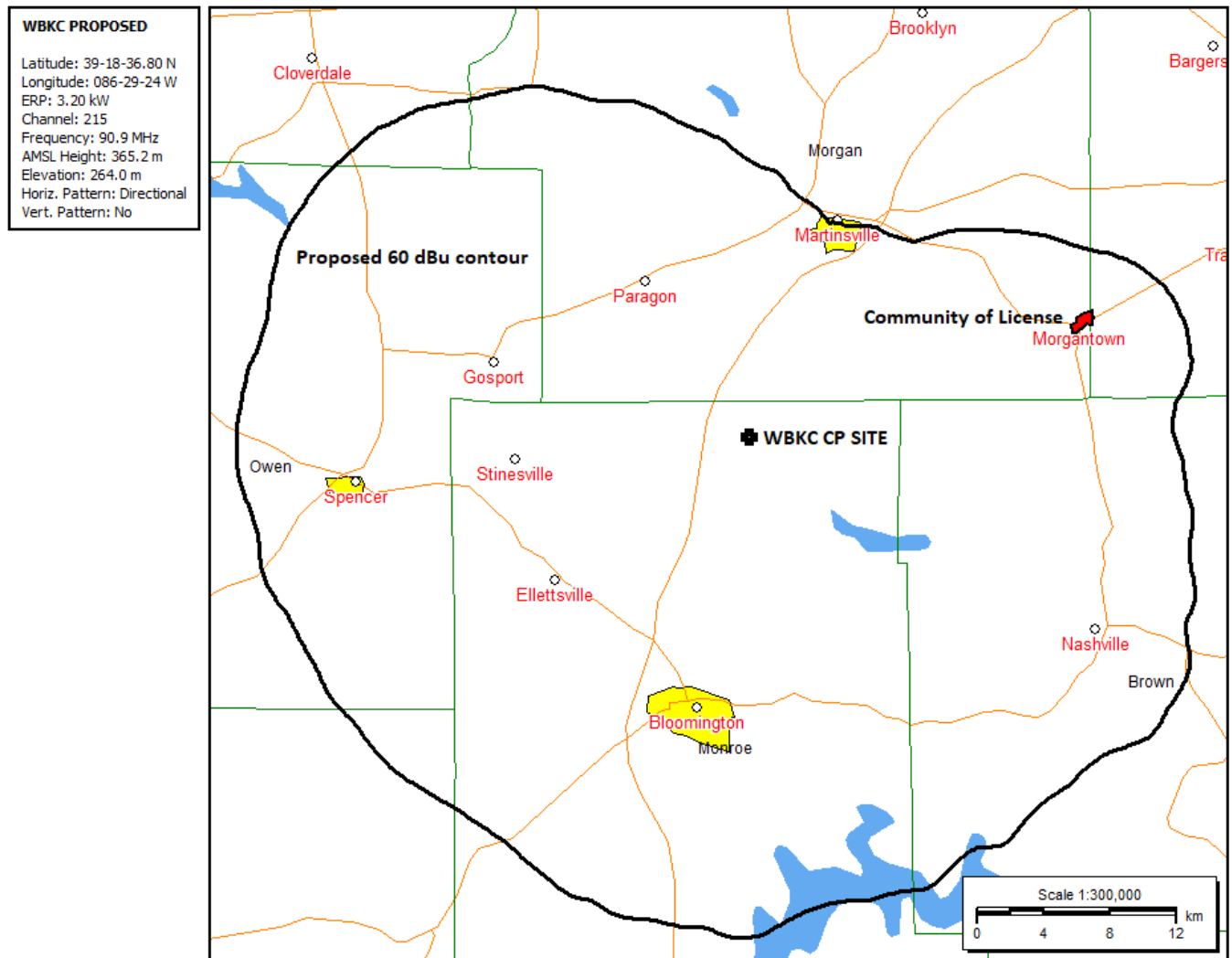
GLOBE terrain data

(yellow highlighted values establish average HAAT)

Directional antenna pattern values exceed 2 dB per 10 degrees between 40 degrees and 70 degrees. WBKC at full ERP in these directions would not cause interference to any protected facility.

Community of License Coverage Compliance with Section 73.515

The proposed 60 dBu contour will provide full coverage over the community of license of Morgantown, IN.



GLOBE terrain data

Interference Study

CH 215 39 18 36.8 / 86 29 24.0 3.2 kW ERP (H&V, DA) 365.2 m COR AMSL 147.4 m HAAT

CH CITY	CALL	TYPE STATE	AZI. <--	DIST FILE #	LAT. LNG.	Pwr (kW) HAAT (M)	INT (km) COR (M)	PRO (km) LICENSEE	*IN* (Overlap in km)	*OUT*
Reference station:										
215B1 Morgantown	WBKC	LIC IN	296.7 116.7	2.78 BLED20170228AAL	39 19 17.20 86 31 08.00	12.500 68	283	Educational Media Foundation		
215B1 Morgantown	WBKC	CP IN	0.0 0.0	0.00 0000184676	39 18 36.80 86 29 24.00	3.200 142	360	Educational Media Foundation		
Co-channel, 1st, 2nd, & 3rd adjacent channel relationships:										
212A Columbus	WKJD	LIC IN	106.6 286.9	47.94 BLED20101006ABL	39 11 10.20 85 57 29.00	.400 82	1.9 286	16.5 Good Shepherd Radio, Inc.	17.8	26.8
213B1 Greencastle	WQRA	LIC IN	350.5 170.5	31.44 BLED20111107ASQ	39 35 22.20 86 33 02.00	8.100 136	2.4 380	22.2 Educational Media Foundation	8.7	6.5
214B1 Lafayette	WQSG	LIC IN	359.2 179.2	117.74 BLED20051122ABJ	40 22 14.10 86 30 32.00	17.000 100	50.6 347	31.6 American Family Association	46.7	59.2
214A Knightstown	WKPW	LIC IN	58.4 239.0	97.84 BLED20100830ABN	39 46 01.10 85 30 59.90	4.400 55	34.2 347	22.7 New Castle Career Center	37.9	40.7
214A Terre Haute	WZIS-FM	LIC IN	284.1 103.4	92.25 BLED20140919AAH	39 30 26.10 87 31 50.10	0.860 69	24.5 244	16.4 Indiana State University B	37.7	30.8
215A Noblesville	WSQM	LIC IN	28.8 209.1	89.54 BLED20110914ACE	40 00 54.00 85 58 58.00	1.300 43	23.2 292	7.4 Inter Mirifica, Inc.	47.8	34.1
15A Indianapolis	WBDG	LIC IN	17.9 198.0	55.39 BLED19781214AB	39 47 05.10 86 17 26.90	0.400 24	31.1 264	9.0 Metropolitan School District	10.2	0.1
15B Cincinnati	WGUC	LIC OH	96.2 277.5	173.18 BLED20101221ABF	39 07 30.10 84 29 56.00	18.500 209	119.6 419	46.0 Cincinnati Public Radio, Inc	26.3	45.6
215B Urbana	WILL-FM	LIC IL	294.2 112.8	203.72 BLED757	40 02 18.10 88 40 10.20	105.000 259	169.5 469	69.6 The Board Of Trustees Of The	3.8	47.6
216A Hope	WYGS	LIC IN	98.0 278.5	64.84 BLED20100503ACS	39 13 35.20 85 44 46.90	0.380 100	23.6 316	15.6 Good Shepherd Radio, Inc.	13.9	8.2
216B Vincennes	WVUB	LIC IN	229.7 49.1	112.50 BLED20020930ABC	38 39 06.20 87 28 37.10	50.000 152	75.8 293	50.1 Vincennes University	7.6	18.1
216A Indianapolis	WEDM	LIC IN	38.1 218.4	68.13 BLED19920925KA	39 47 29.10 85 59 52.90	0.180 66	12.4 312	9.6 Metropolitan School District	34.8	35.7
217A Seelyville	768391	CP IN	283.7 103.3	65.09 0000167446	39 26 47.70 87 13 29.20	0.400 69	1.4 246	10.7 Appalachian Educational Comm	33.7	51.4
217A Plainfield	WDDL	LIC IN	15.7 195.7	41.70 BLED20160106AAG	39 40 18.20 86 21 30.00	0.295 43	0.5 275	4.6 The Power Foundation	25.3	34.9
217A Bloomington	WFHB	LIC IN	196.7 16.6	33.44 BLED19981221KB	39 01 18.10 86 36 04.90	1.600 119	2.0 338	22.4 Bloomington Community Radio	1.9	8.3
217B1 Morristown	WWQI	LIC IN	67.0 247.5	70.46 BLED20140805ADP	39 33 18.20 85 44 05.90	14.500 56	1.9 302	18.7 The Power Foundation	42.0	47.7
218B Seymour	WJLR	LIC IN	131.9 312.3	81.02 BLED20070226AAX	38 49 20.20 85 47 37.90	30.000 116	2.8 293	29.2 Educational Media Foundation	48.5	49.1
218A Greencastle	WGRE	LIC IN	318.8 138.6	48.61 BLED19970411KA	39 38 19.10 86 51 49.00	0.800 54	1.6 290	11.9 Depauw University	18.9	34.0

Interference Study

CH	CALL	TYPE	AZI.	DIST	LAT.	Pwr (kW)	INT (km)	PRO (km)	*IN*	*OUT*
CITY		STATE	<--	FILE #	LNG.	HAAT (M)	COR (M)	LICENSEE	(Overlap in km)	
<u>I.F. relationships:</u>										
268B	WKKG	LIC	106.3	48.59	39 11	12.10	50.000	0.0	0.0	16.5R 32.1M
Columbus		IN	286.6	BLH19890619KA	85 56	59.90	150	354	White River Broadcasting Co	

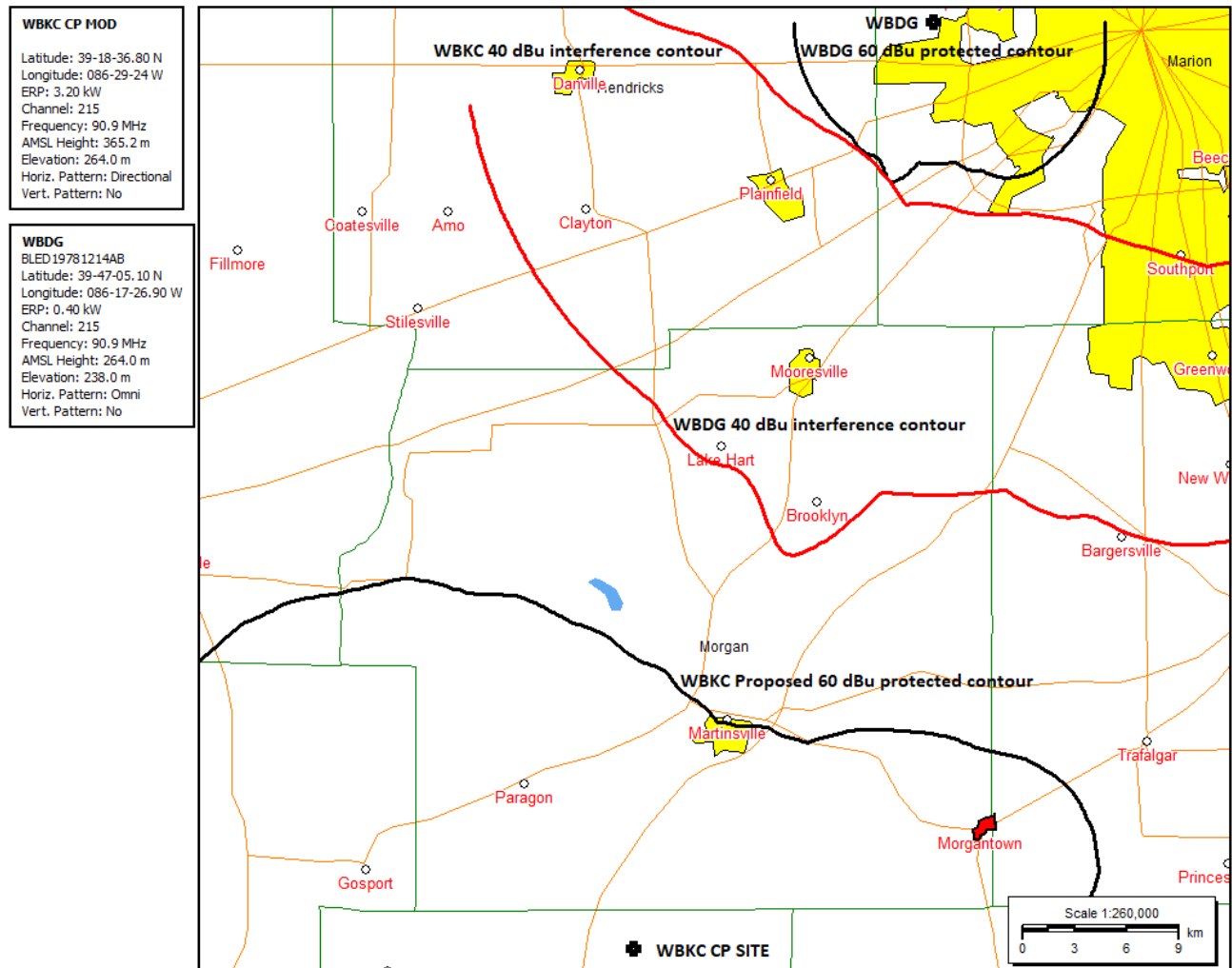
Channel 6 TV Station Protection

Per Section 73.525(a) (1) of the Commission's rules the required study distance for FM Channel 215 is 180 km. There are no channel 6 TV broadcast stations within this distance, therefore WBKC as proposed is in full compliance with all channel 6 TV broadcast station protection requirements.

GLOBE terrain data

Interference Study

Below is a map demonstrating the lack of prohibited overlap between WBKC (proposed) and WBDG (Licensed).



GLOBE terrain data

Interference Study

Tabulation of WBDG (Licensed) 60 dBu protected contour and WBKC (Proposed) 40 dBu interference contour

WBDG (LIC) Channel 215A
 0.4 kW Max ERP
 264 m COR AMSL
 39 47 05.10 / 86 17 26.9

WBKC (Proposed) Channel 215B1
 3.2 kW Max ERP
 365.2 m COR AMSL
 39 18 36.8 / 86 29 24.0

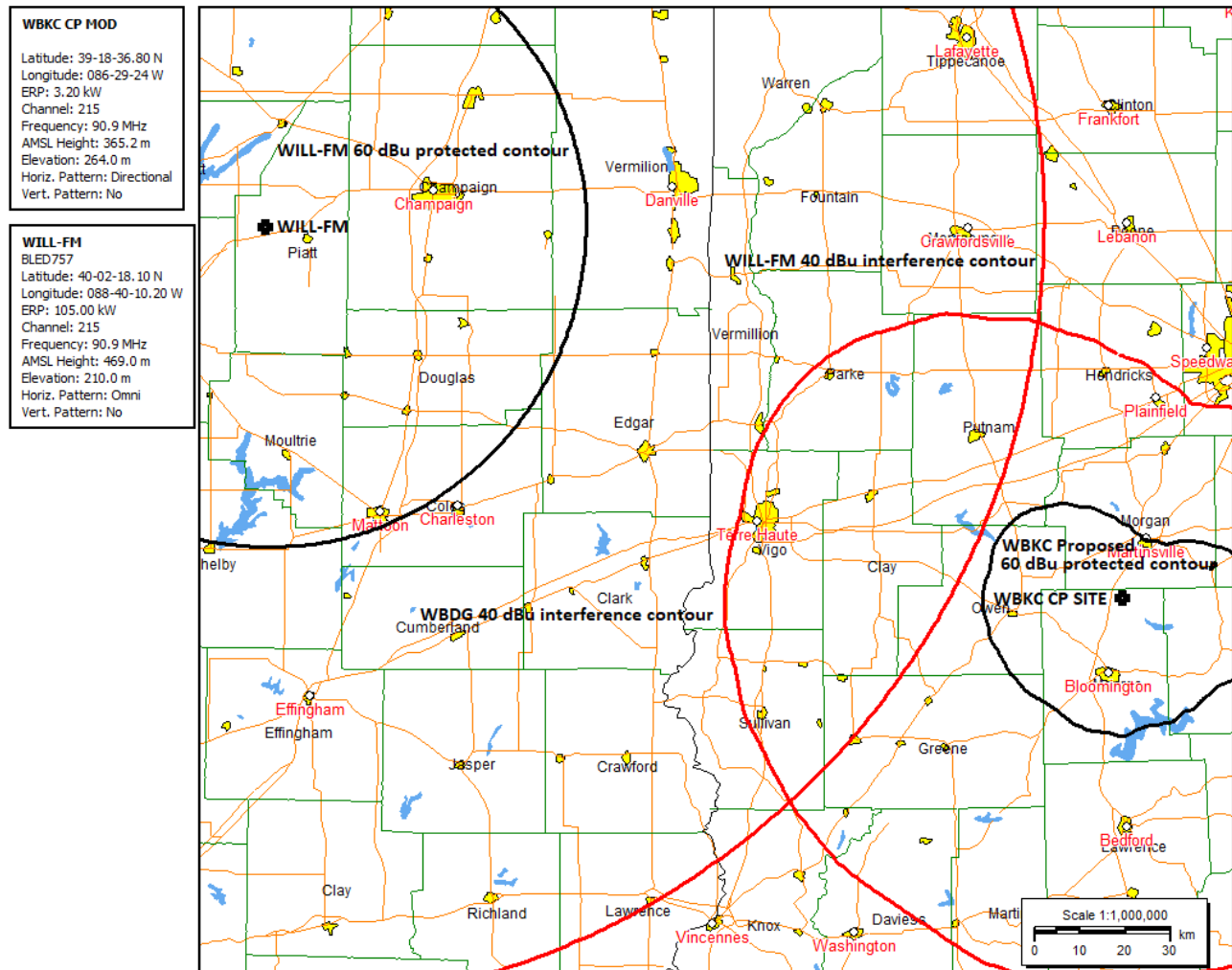
Protected 60 dBu

Interfering 40 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
191.0	000.4000	0036.5	008.8	019.2	000.1060	0175.2	046.7	39.53
192.0	000.4000	0037.7	009.0	019.0	000.1070	0175.2	046.5	39.64
193.0	000.4000	0038.8	009.1	018.9	000.1079	0175.3	046.3	39.74
194.0	000.4000	0039.8	009.2	018.7	000.1087	0175.3	046.2	39.83
195.0	000.4000	0040.5	009.3	018.5	000.1096	0175.4	046.1	39.91
196.0	000.4000	0040.4	009.3	018.3	000.1106	0175.4	046.1	39.95
197.0	000.4000	0039.6	009.2	018.1	000.1116	0175.4	046.2	39.96
198.0	000.4000	0038.3	009.0	017.9	000.1127	0175.4	046.4	39.93
199.0	000.4000	0036.8	008.9	017.7	000.1138	0175.4	046.5	39.90
200.0	000.4000	0035.4	008.7	017.5	000.1149	0175.4	046.7	39.87
201.0	000.4000	0034.2	008.5	017.3	000.1160	0175.3	046.9	39.84
202.0	000.4000	0033.3	008.4	017.2	000.1170	0175.3	047.0	39.82
203.0	000.4000	0032.5	008.3	017.0	000.1180	0175.2	047.1	39.81
204.0	000.4000	0032.2	008.3	016.8	000.1188	0175.1	047.2	39.82
205.0	000.4000	0032.3	008.3	016.6	000.1197	0175.0	047.2	39.84
206.0	000.4000	0032.5	008.3	016.5	000.1206	0174.9	047.2	39.87
207.0	000.4000	0032.7	008.3	016.3	000.1215	0174.7	047.2	39.89
208.0	000.4000	0032.8	008.3	016.1	000.1224	0174.6	047.2	39.91
209.0	000.4000	0032.6	008.3	015.9	000.1233	0174.4	047.3	39.91
210.0	000.4000	0032.3	008.3	015.8	000.1243	0174.1	047.3	39.91
211.0	000.4000	0032.1	008.3	015.6	000.1253	0173.9	047.4	39.91
212.0	000.4000	0031.9	008.2	015.5	000.1263	0173.7	047.4	39.91
213.0	000.4000	0031.5	008.2	015.3	000.1272	0173.4	047.5	39.89
214.0	000.4000	0031.0	008.1	015.2	000.1281	0173.2	047.6	39.87
215.0	000.4000	0030.6	008.1	015.0	000.1290	0173.0	047.7	39.85
216.0	000.4000	0030.2	008.0	014.9	000.1299	0172.7	047.8	39.83
217.0	000.4000	0029.7	008.0	014.8	000.1308	0172.5	047.9	39.82
218.0	000.4000	0029.1	008.0	014.6	000.1318	0172.2	048.0	39.82
219.0	000.4000	0028.3	008.0	014.5	000.1328	0171.9	048.0	39.81
220.0	000.4000	0027.5	008.0	014.3	000.1338	0171.6	048.1	39.81
221.0	000.4000	0026.7	008.0	014.2	000.1348	0171.3	048.1	39.80
222.0	000.4000	0026.0	008.0	014.0	000.1357	0170.9	048.2	39.79
223.0	000.4000	0025.3	008.0	013.9	000.1365	0170.6	048.3	39.78
224.0	000.4000	0024.6	008.0	013.7	000.1373	0170.3	048.3	39.76
225.0	000.4000	0024.1	008.0	013.6	000.1380	0170.0	048.4	39.74
226.0	000.4000	0023.7	008.0	013.4	000.1388	0169.7	048.5	39.72
227.0	000.4000	0023.4	008.0	013.3	000.1395	0169.4	048.6	39.70
228.0	000.4000	0023.0	008.0	013.2	000.1402	0169.1	048.6	39.68
229.0	000.4000	0022.5	008.0	013.0	000.1410	0168.9	048.7	39.66
230.0	000.4000	0021.9	008.0	012.9	000.1418	0168.6	048.8	39.64
231.0	000.4000	0021.4	008.0	012.8	000.1427	0168.4	048.9	39.63
232.0	000.4000	0020.7	008.0	012.6	000.1436	0168.2	049.0	39.61
233.0	000.4000	0020.2	008.0	012.5	000.1444	0168.1	049.1	39.59
234.0	000.4000	0019.7	008.0	012.4	000.1452	0167.9	049.1	39.57
235.0	000.4000	0019.1	008.0	012.3	000.1461	0167.8	049.2	39.56
236.0	000.4000	0018.5	008.0	012.2	000.1469	0167.7	049.3	39.54
237.0	000.4000	0017.8	008.0	012.0	000.1477	0167.6	049.4	39.52

Interference Study

Below is a map demonstrating the lack of prohibited overlap between WBKC (Proposed) and WILL-FM (Licensed).



GLOBE Terrain Data

Environmental Impact & RFR Compliance Statement

WBKC will be located at an established communications site that is in compliance with all environmental impact requirements.

This minor modification of construction permit changes the antenna COR AGL height. WBKC as proposed will operate with 3.2 kW ERP (H&V) at an antenna COR AGL height of 101.2 meters. For a worst-case estimation at 2 meters above ground level the RFR is no more than 10.9% of the general public/uncontrolled MPE limit. There are no other broadcast facilities located at the site.

The site has restricted access to only authorized personnel. The applicant certifies that in cooperation with other users of the site all authorized personnel will be protected from RFR exposure in excess of FCC guidelines while accessing any controlled exposure area, including the tower, by either reducing power or ceasing operations.